



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Wednesday, July 10, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



## **Today through Thursday**

- **Slight risk of severe storms today over the TX Panhandle, OK, and NW AR. Wind is the main threat. Isolated heavy rain over SE LA**
- **Isolated strong to severe storms and isolated heavy rain over S LA Thursday**

## **Friday through Sunday**

- **Heavy rain/flooding threat increases across LA and southeast/east TX**
- **Isolated severe weather possible across S LA and SE TX Friday**

## **Tropical Weather Outlook**

- **Tropical depression likely to develop late today or Thursday in the Northern Gulf of Mexico and move westward**
- **Increasing threat of wind and storm surge impacts in addition to heavy rain for parts of LA, perhaps the Upper Texas Coast**

# FEMA Region 6 Threat Matrix

July 10, 2019 – July 14, 2019



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DAY / THREAT	WED	THU	FRI	SAT	SUN
Severe Storms	TX Panhandle, OK, NW AR	SE LA	S LA SETX		
Heavy Rain / Flash Flooding	SE LA	S LA	S LA	LA SE & ETX	LA SE & ETX
Fire Weather					
Tropical Weather			LA	LA	
			Upper TX Coast	Upper TX Coast	
River Flooding	MS River	MS River	MS River	MS River	MS River

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

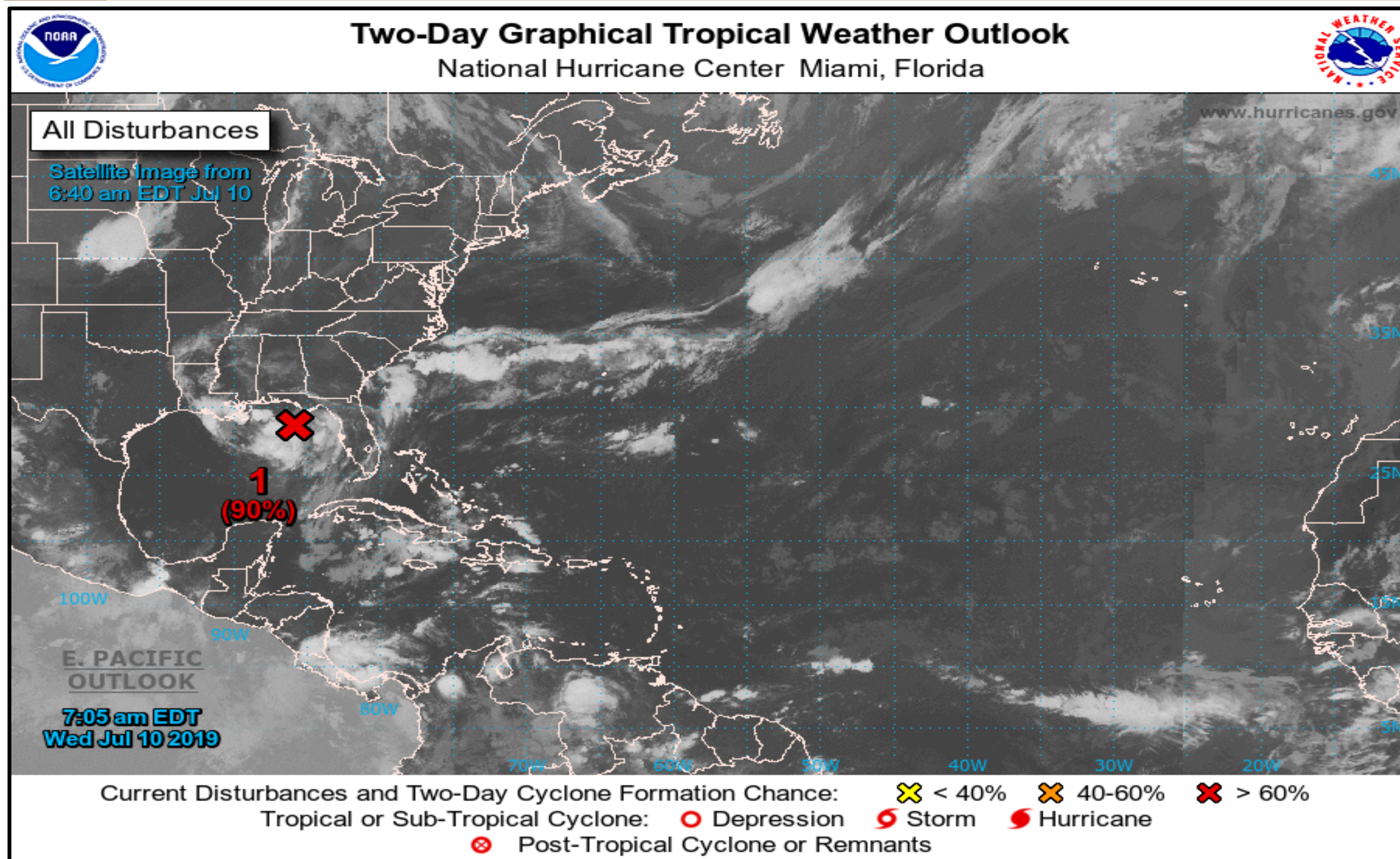
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf

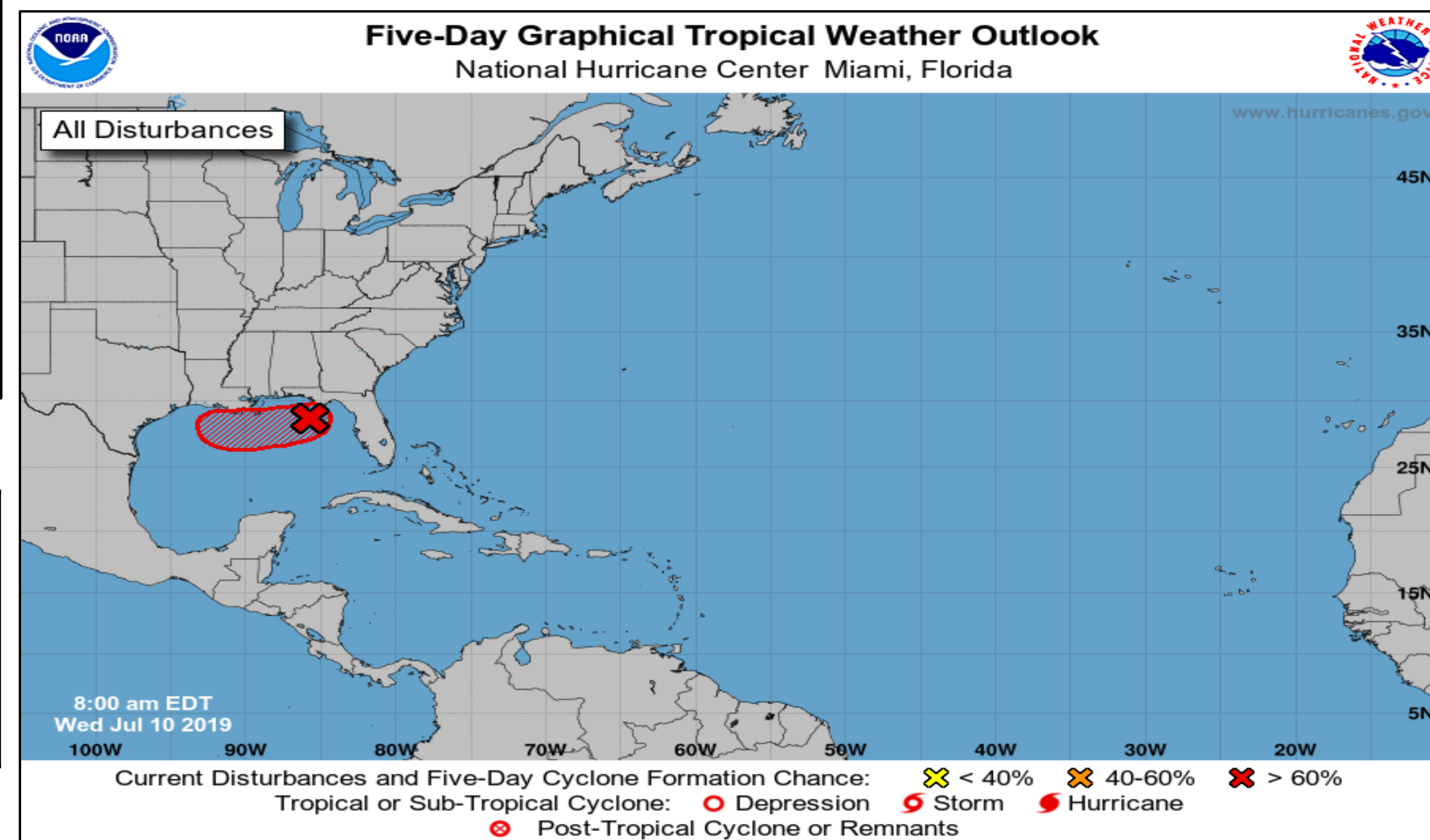


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**Tropical Cyclone Formation Chances**  
Tropical depression likely to develop by late Wednesday or Thursday in the Northern Gulf of Mexico and move westward.

- Formation chances through 48 hours – 90%
- Formation chances through 5 days – 90%



## **Potential Impacts to FEMA Region 6**

**Main impact at this time is heavy rainfall/flooding possible across portions of LA, Upper TX Coast late this week possibly into early next week.**



# 5-Day Precipitation Forecast & River Flood Status



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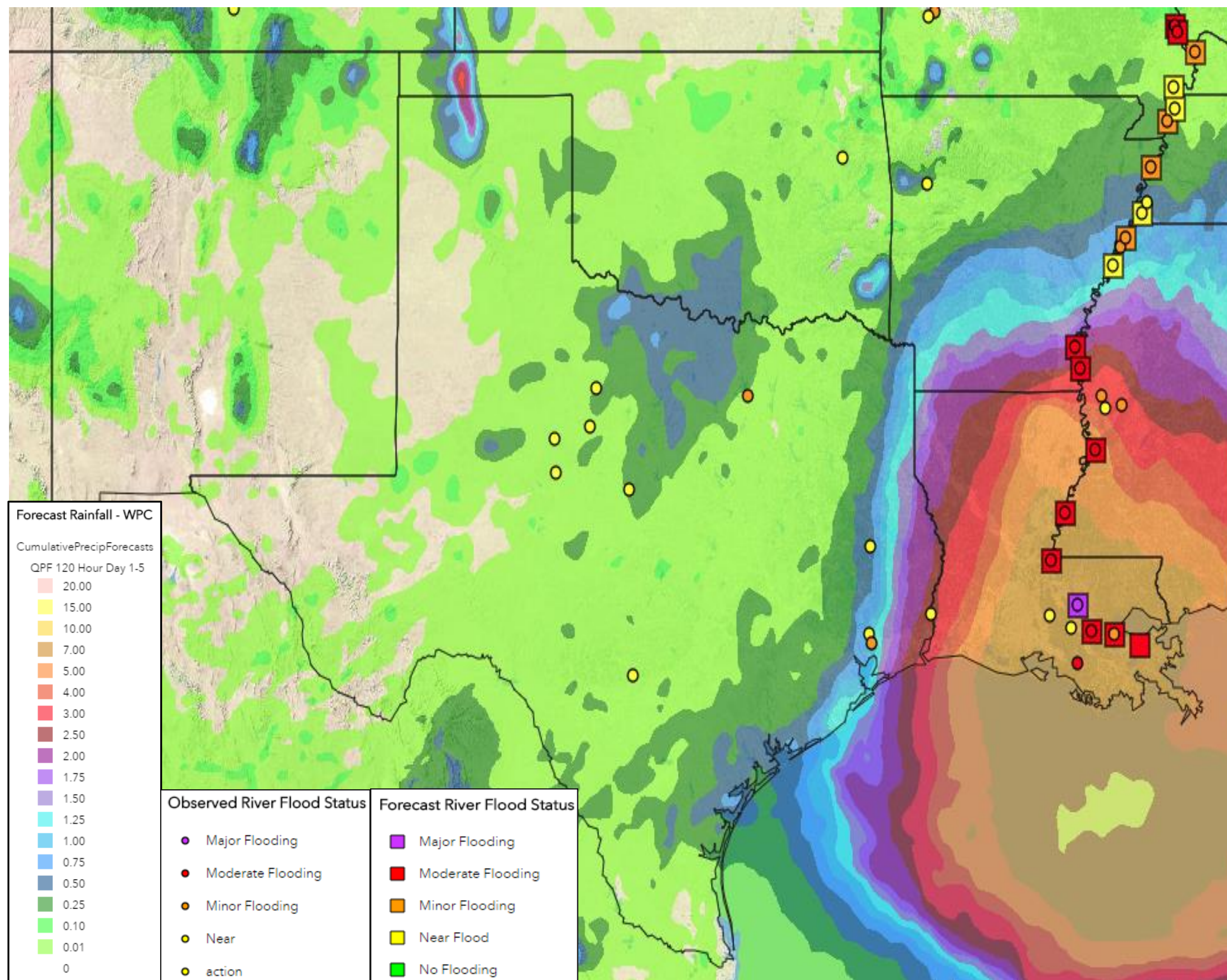
*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

## Latest on the MS River Flooding:

- Arkansas:** All points are receding. At or expected to drop into minor flood stage by the end of this week. Mostly roads and agricultural impacts.
- Louisiana (except Baton Rouge):** Slow recession, maintaining moderate flood stage into mid-late July. Roads, several homes, some businesses remain flooded.
- Baton Rouge:** Will remain in major flood, around 42 to 43 feet. Impacts are primarily to river traffic and industrial activity.
- Bonnet Carre spillway** continues to operate and will close over the next couple of weeks.

## River Flooding from Tropical Development:

- Forecast for New Orleans** – Climbing to near 20 feet on Saturday is near the top of the levees





# Today's Weather



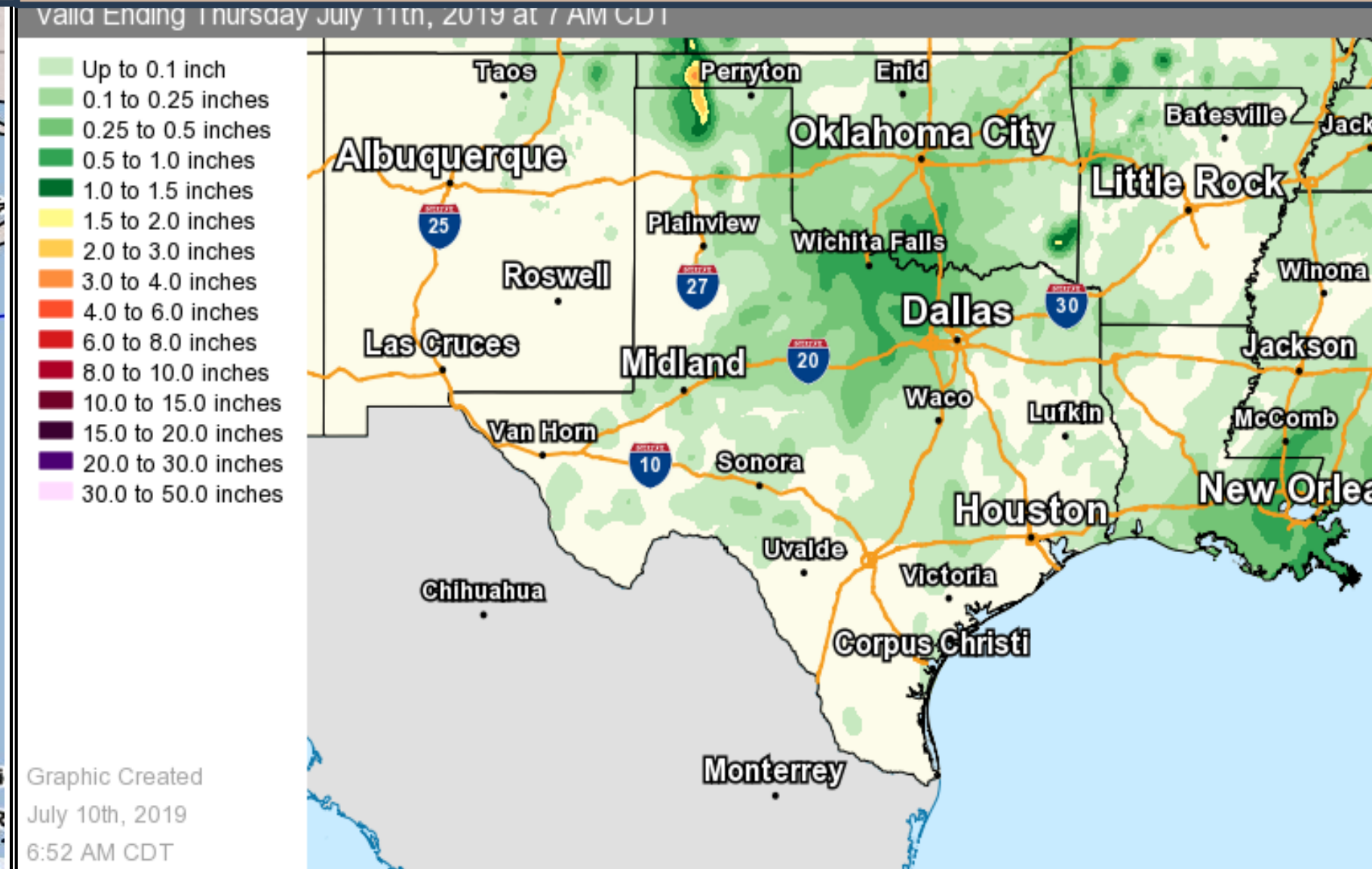
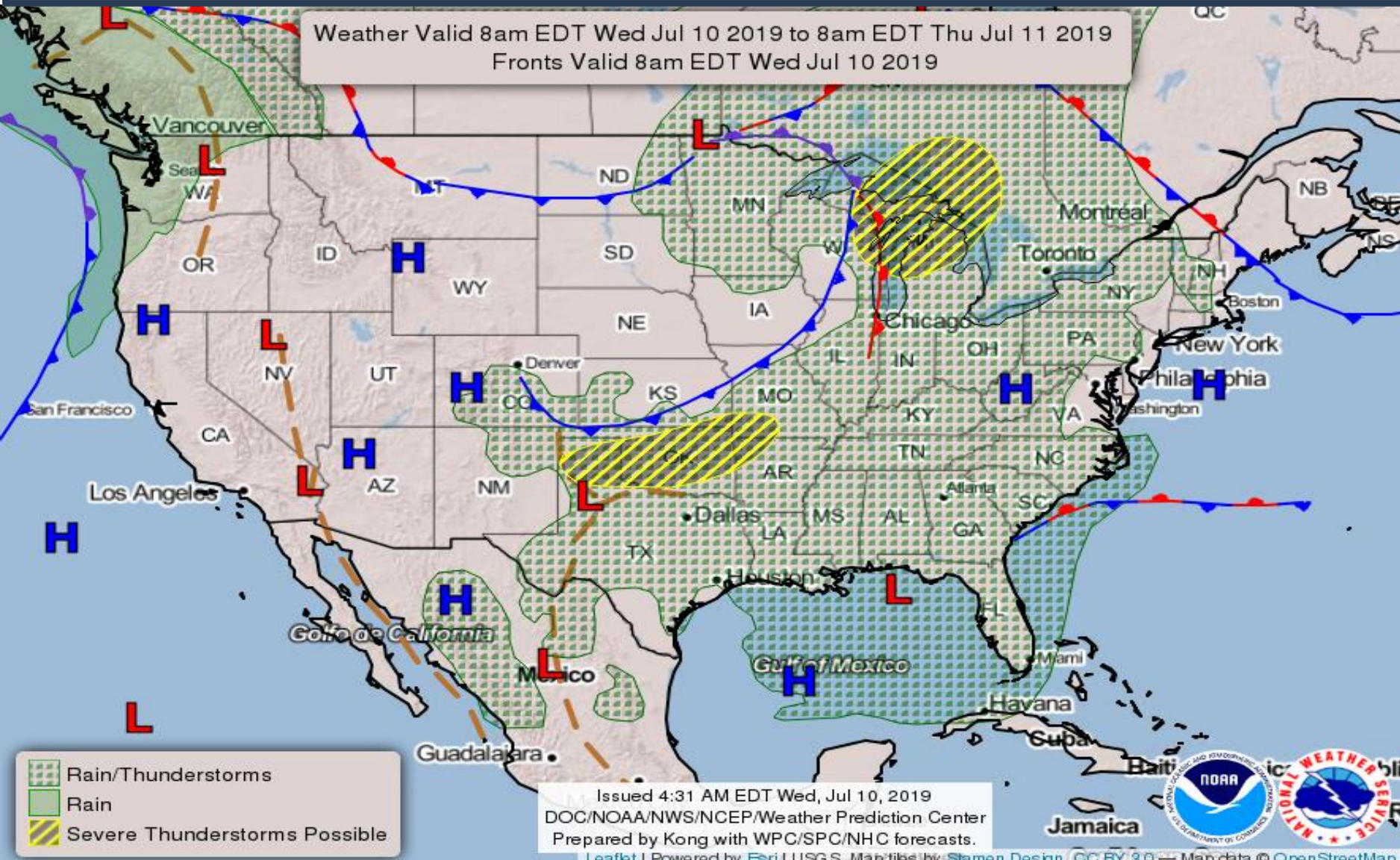
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## Forecast Chart

## Forecast Rainfall

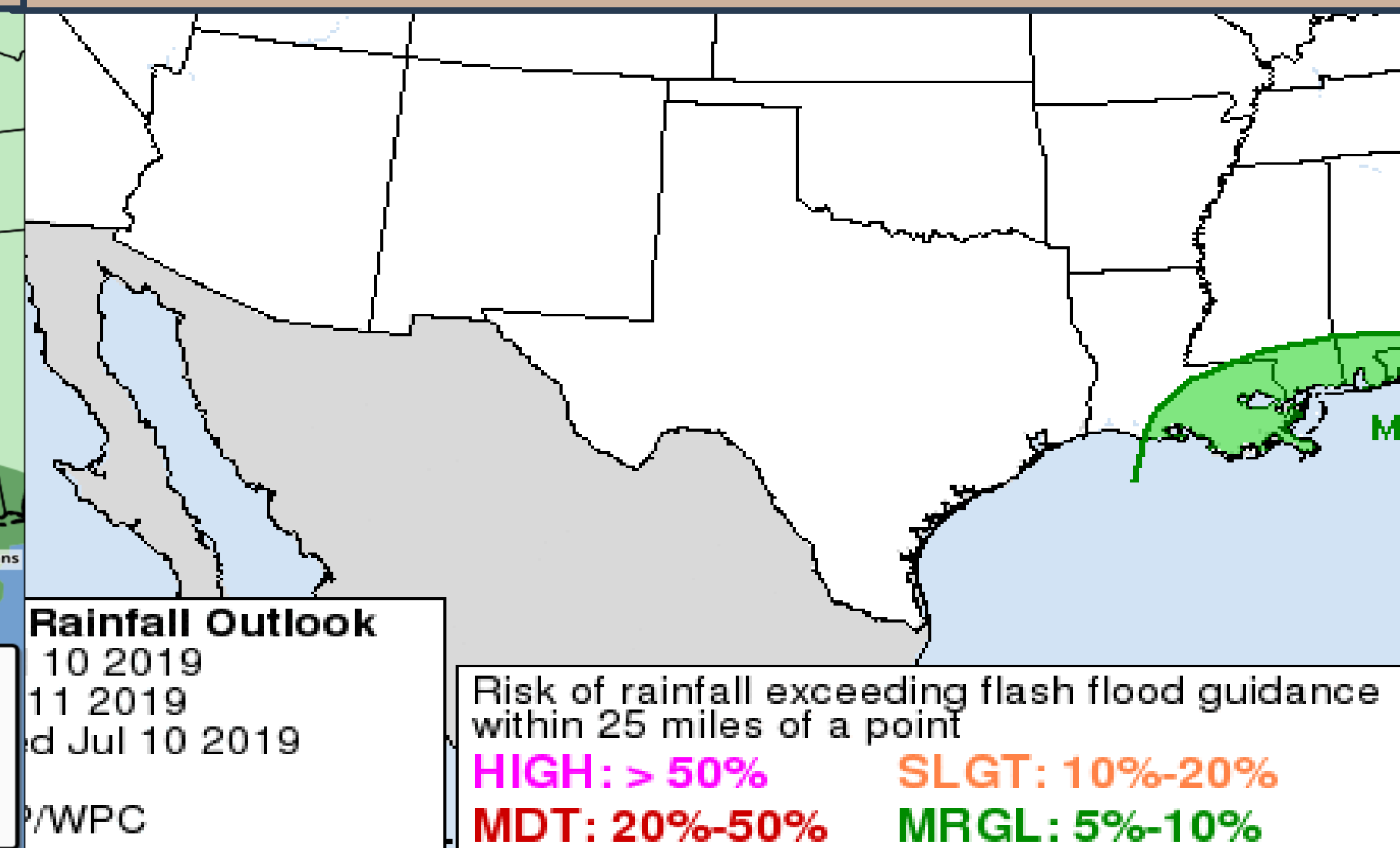
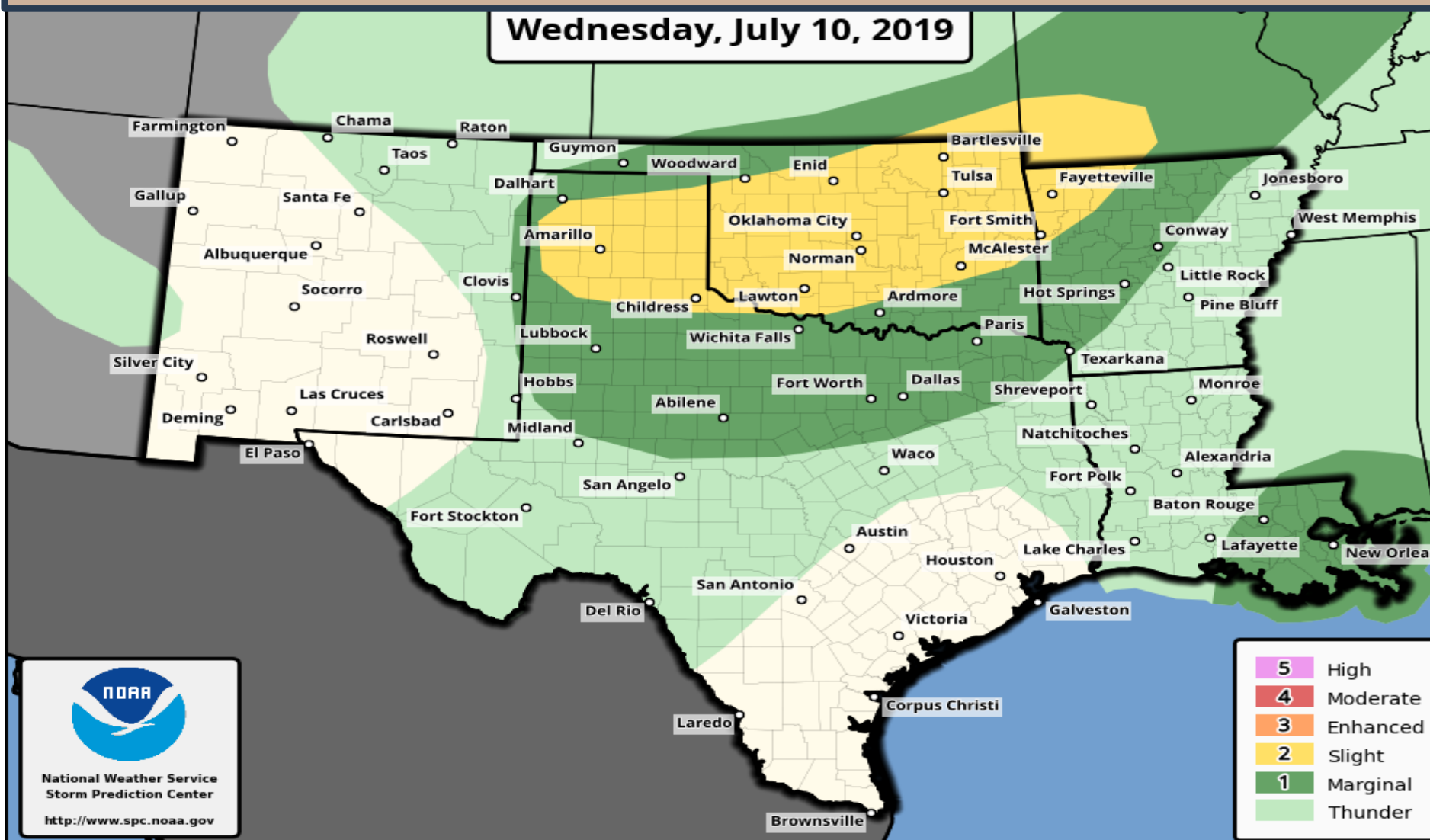
**Slight risk of severe storms over TX Panhandle, OK, and NW AR**

**Heavy rain/flooding threat increases across SE LA**



## Severe Weather Outlook

## Excessive Rainfall Outlook





# Tomorrow's Weather



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## Forecast Chart

## Forecast Rainfall

Isolated severe storms  
across SE LA

Isolated flash flooding  
possible across S LA

## Severe Weather Outlook

## Excessive Rainfall Outlook

Thursday, July 11, 2019

### Rainfall Outlook

11 2019  
2 2019  
d Jul 10 2019  
SON  
/WPC

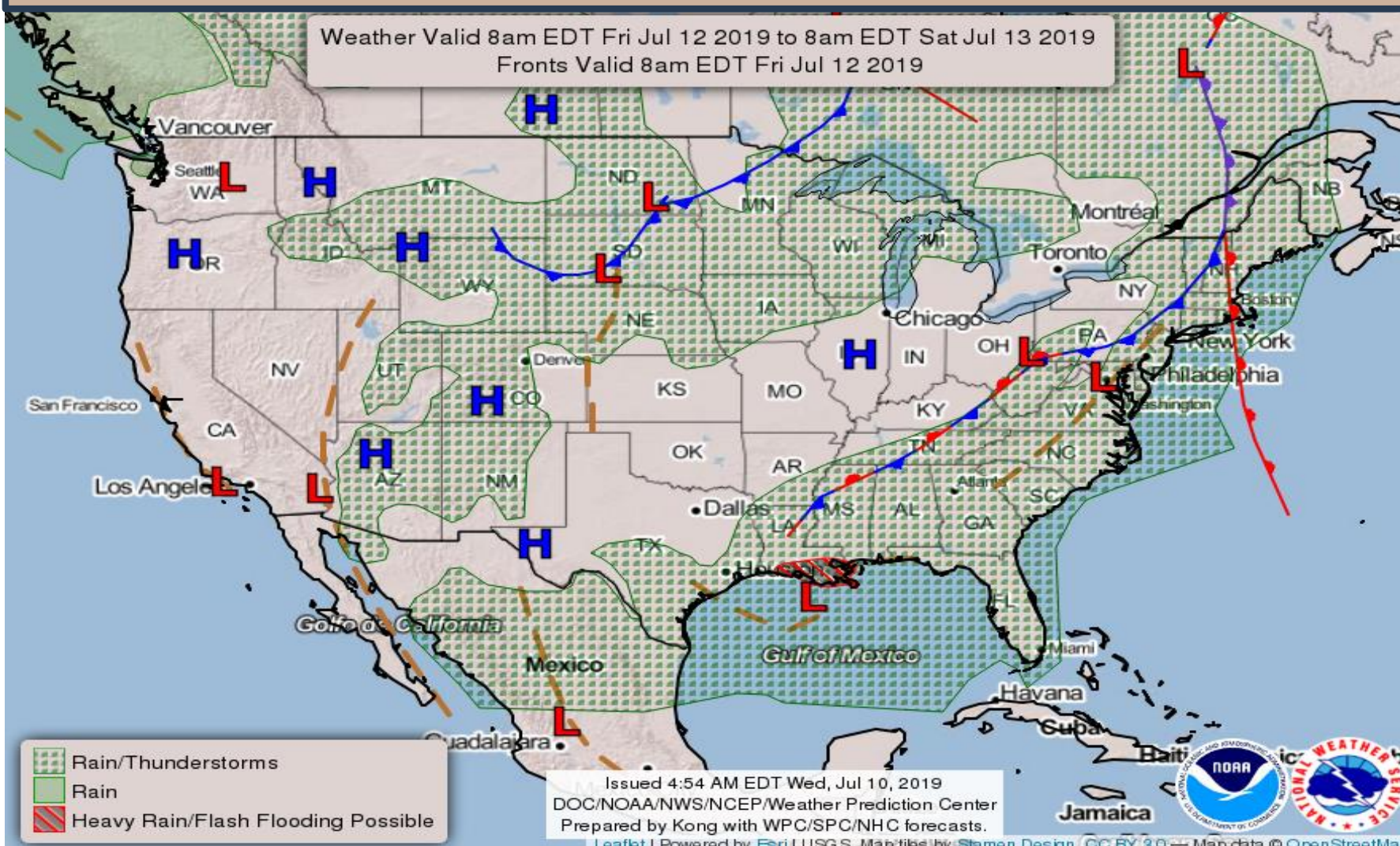
Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point

**HIGH: > 50%** **SLGHT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**



# Friday's Weather

## Forecast Chart



## Forecast Rainfall

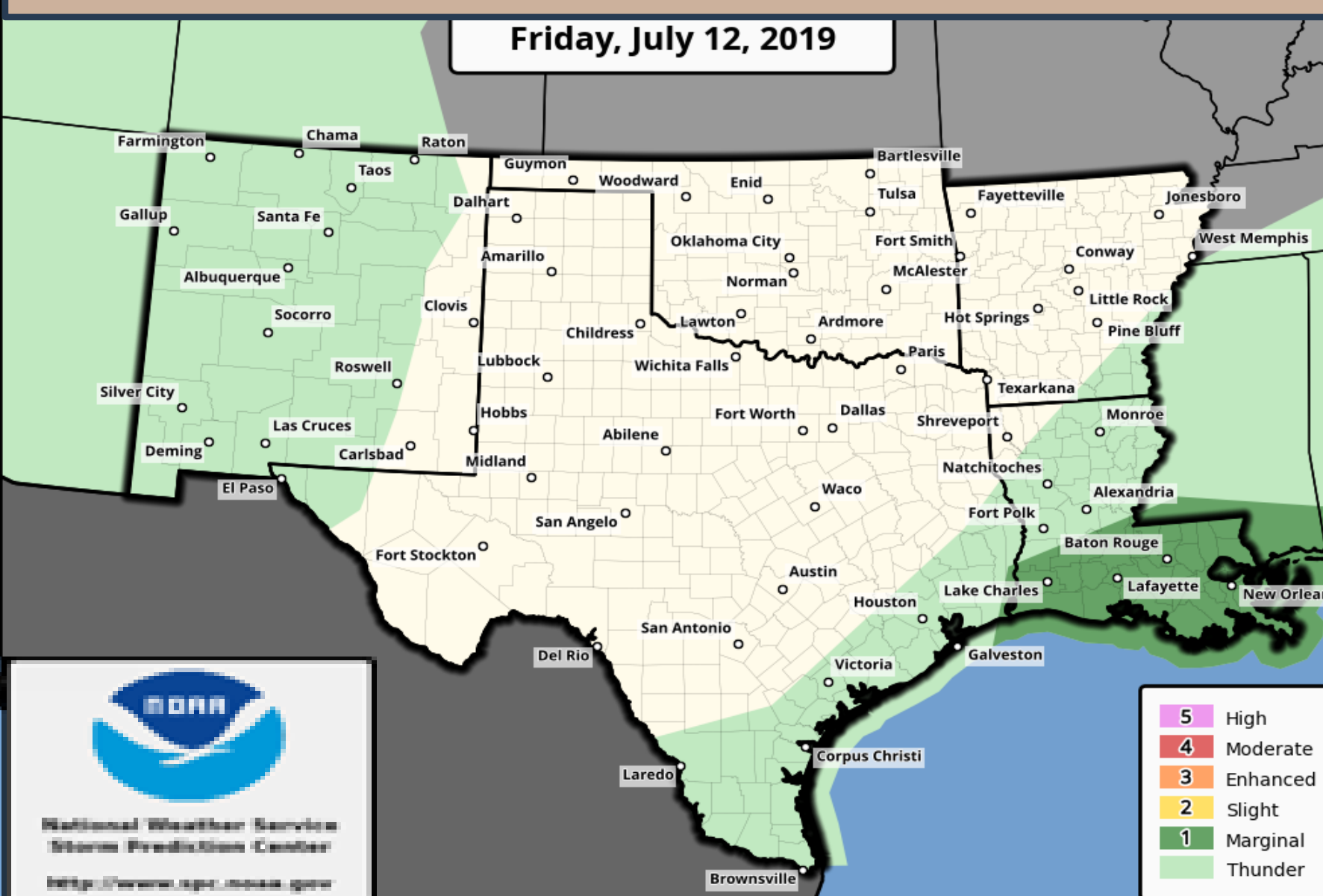


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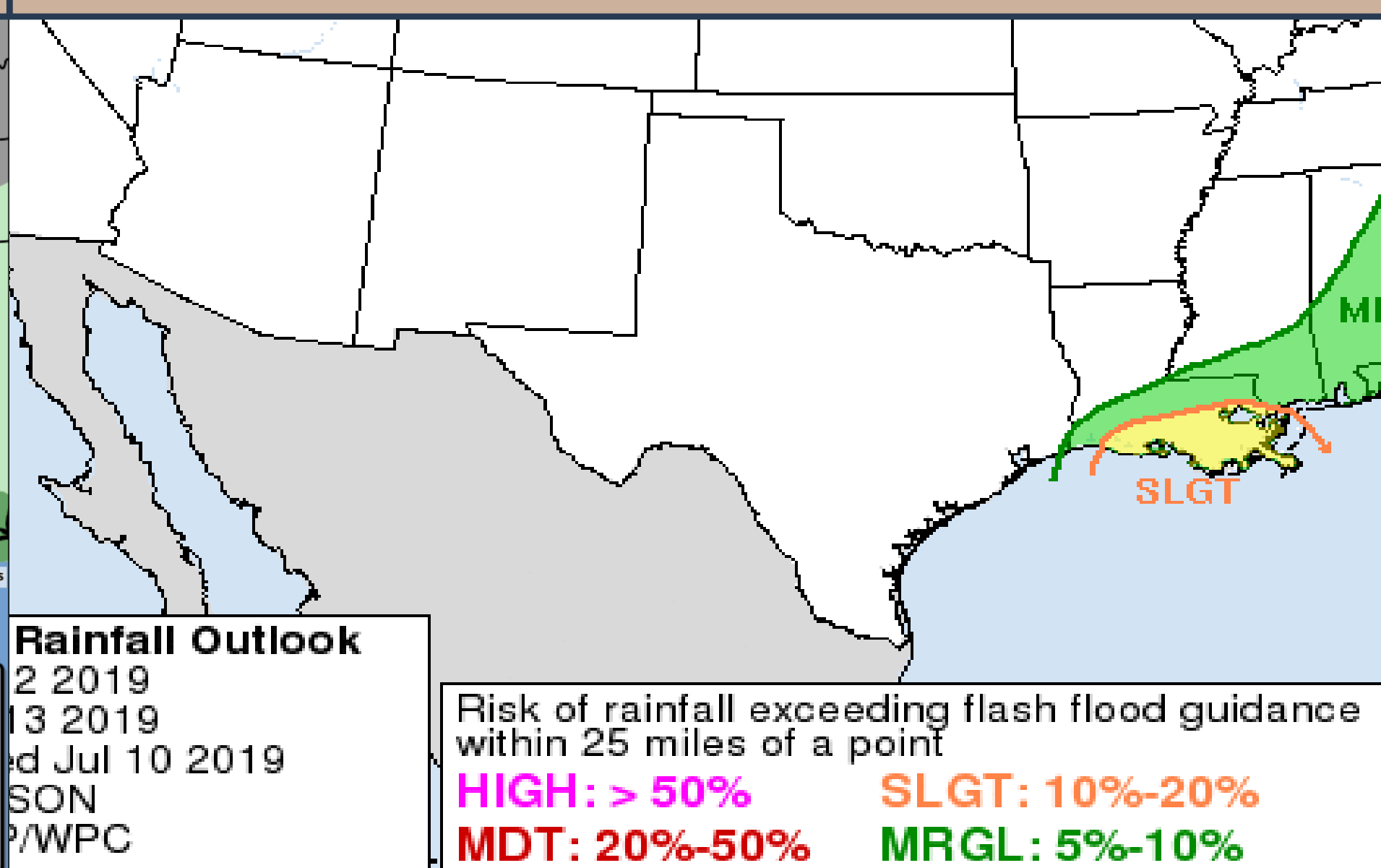
Isolated severe storms  
possible in S LA & SETX.

Isolated flash flooding  
possible in S LA.

## Severe Weather Outlook



## Excessive Rainfall Outlook



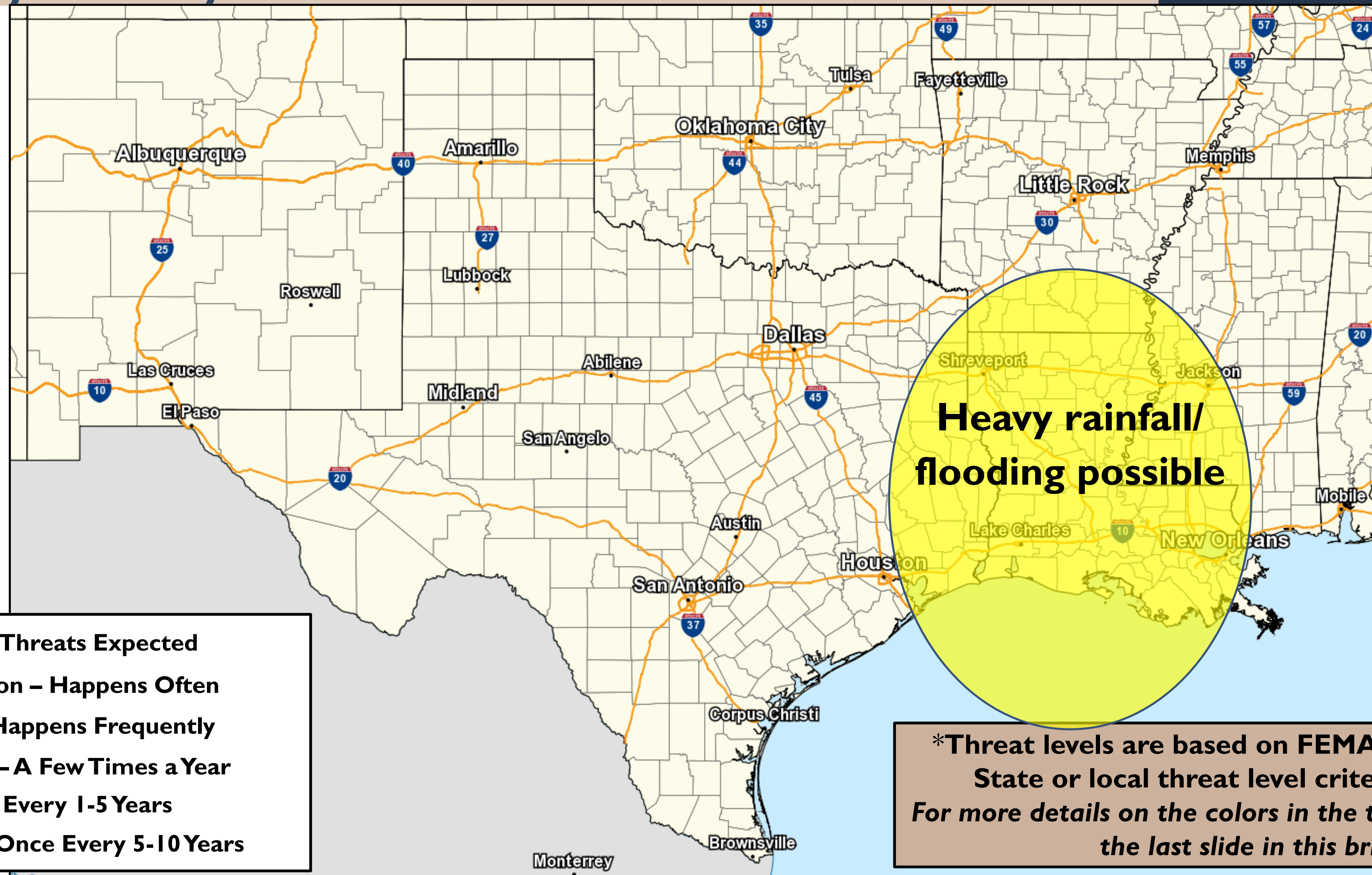


# Days 4-5 Weather Hazards

Saturday – Sunday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\*  
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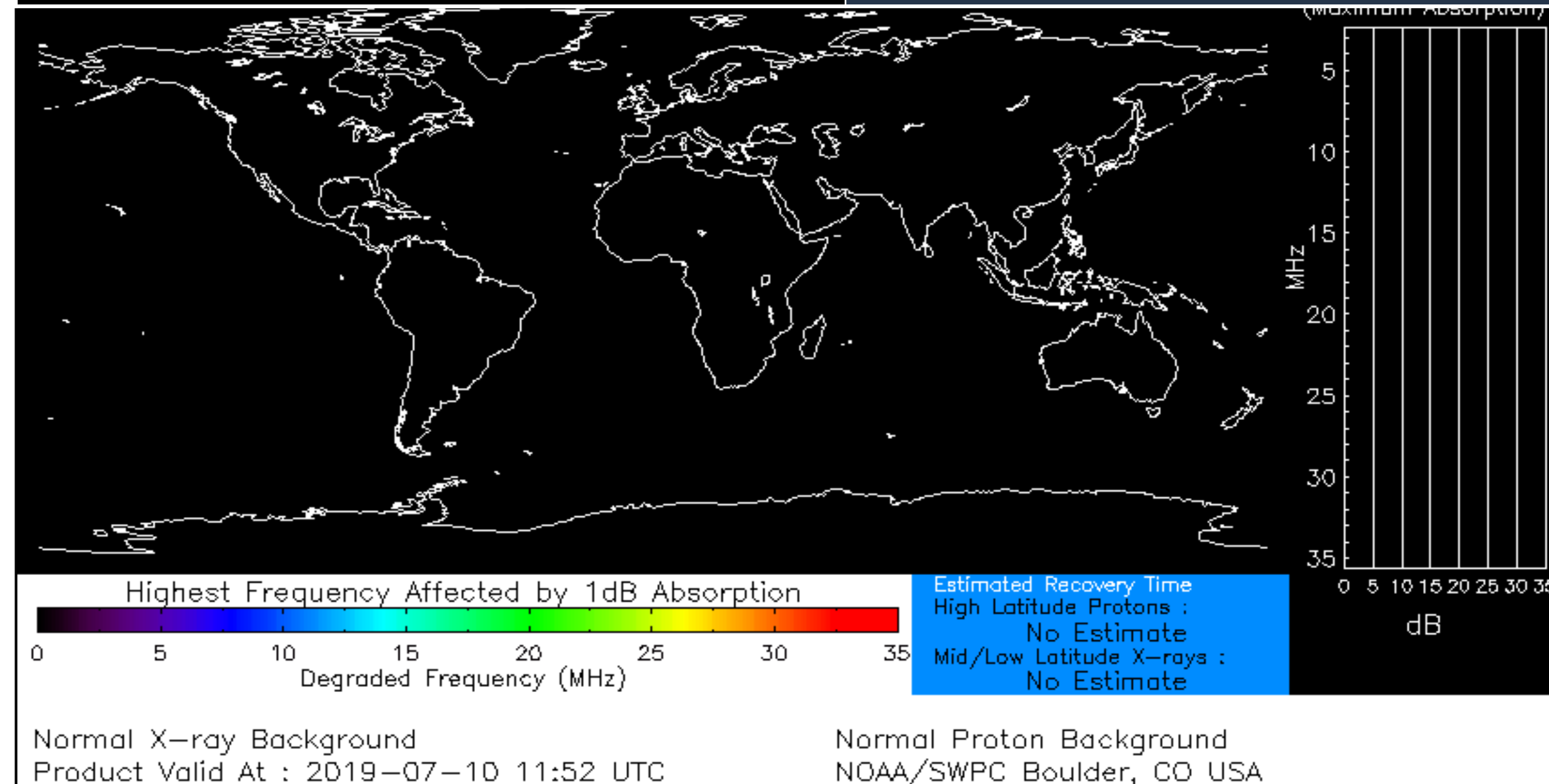


# Space Weather 3-Day Forecast



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	Wednesday	Thursday	Friday
<b>Geomagnetic Storms</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







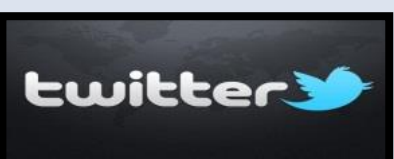
# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**